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Product Datasheet

PP242, CAS [[1092351-67-1]]
FBM-10-2695

Artikelname	PP242, CAS [[1092351-67-1]]
Artikelnummer	FBM-10-2695
Hersteller Artikelnummer	10-2695
Alternativnummer	FBM-10-2695-5MG,FBM-10-2695-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Dual mTORC1/mTORC2 inhibitor...
Molekulargewicht	308.35
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Off-white to beige solid
CAS Nummer	[1092351-67-1]
Formel	C16H16N6O
Anwendungsbeschreibung	PP242 is an ATP-competitive mTORC1/mTORC2 inhibitor (IC₅₀ = 8 nM) displaying high selectivity over PI 3K family kinases (IC₅₀s =0.102 to 2.2 µM) and modest selectivity over PKC family kinases (IC₅₀s =0.049 to 0.198 µM).^{1,2} PP 242 (but not rapamycin) induced the death of mouse and human leukemia cells but was much weaker than rapamycin at induction of death of normal lymphocytes.³ Restores lysosomal activity and facilitates clearance of amyloid-beta in a mouse model of dry age-related macular degeneration.⁴ Inhibits glioblastoma cell proliferation, migration, invasiveness, and stemness.⁵